

AIDS Among New York State Adults

As of the end of 1999, approximately 56,000 New Yorkers throughout the state were living with AIDS (see Figure 14-1). More than 43,000 are New York City residents, and nearly 40 percent are injection drug users. More than one-fourth of those living with AIDS in New York State are women.

AIDS Among Women

AIDS cases among New York State women account for more than a quarter of all U.S. cases among women (see Figure 9-3). (For comparison, AIDS cases among New York State men account for 17.6% of U.S. cases among men.) The proportion of adolescent and adult cases that are women has increased steadily, from 10.3 percent in 1985, to 19.7 percent in 1990, to 29.9 percent in 1999 (see Figure 15-1b). The proportion of cases among women is higher in New York than in other states, largely because of the size of the injection drug using population in this state, which affects women directly through personal use of injection equipment, and indirectly as sexual partners of injectors. Thirty percent of AIDS cases among women in New York State were attributed to personal use of injection drugs (see Figure 14-3), and just under one-third to

sexual contact with an infected man, many of whom were themselves infected through use of injecting drugs. HIV exposure category was not determined for 37.2 percent of cases diagnosed among women in 1999, making interpretation of risk information difficult. More than 90 percent of AIDS cases diagnosed among women in 1999 are women of color (Black, 60.7%, Hispanic, 30.1%, Asian/Pacific Islander, 0.3%) (see Figure 14-3).

AIDS Among Men

Injecting drug use continues to be the most frequently reported HIV exposure category among New York State men, accounting for 31.9 percent of cases diagnosed in 1999 (see Figure 14-6). Male-to-male sex accounted for 27.0 percent of cases, and the dual risk of male-to-male sex and injection drug use accounted for 2.2 percent (see Figure 14-6). Heterosexual HIV exposure is reported by increasing proportions of men diagnosed with AIDS, accounting for 7.2 percent of cases diagnosed in 1999 (see Figure 14-6), compared to 0.9 percent in 1989-1991 and 0.2 percent in 1984-1986. Eighty percent of men infected through heterosexual contact either did not know or did not report the risk of their partner.

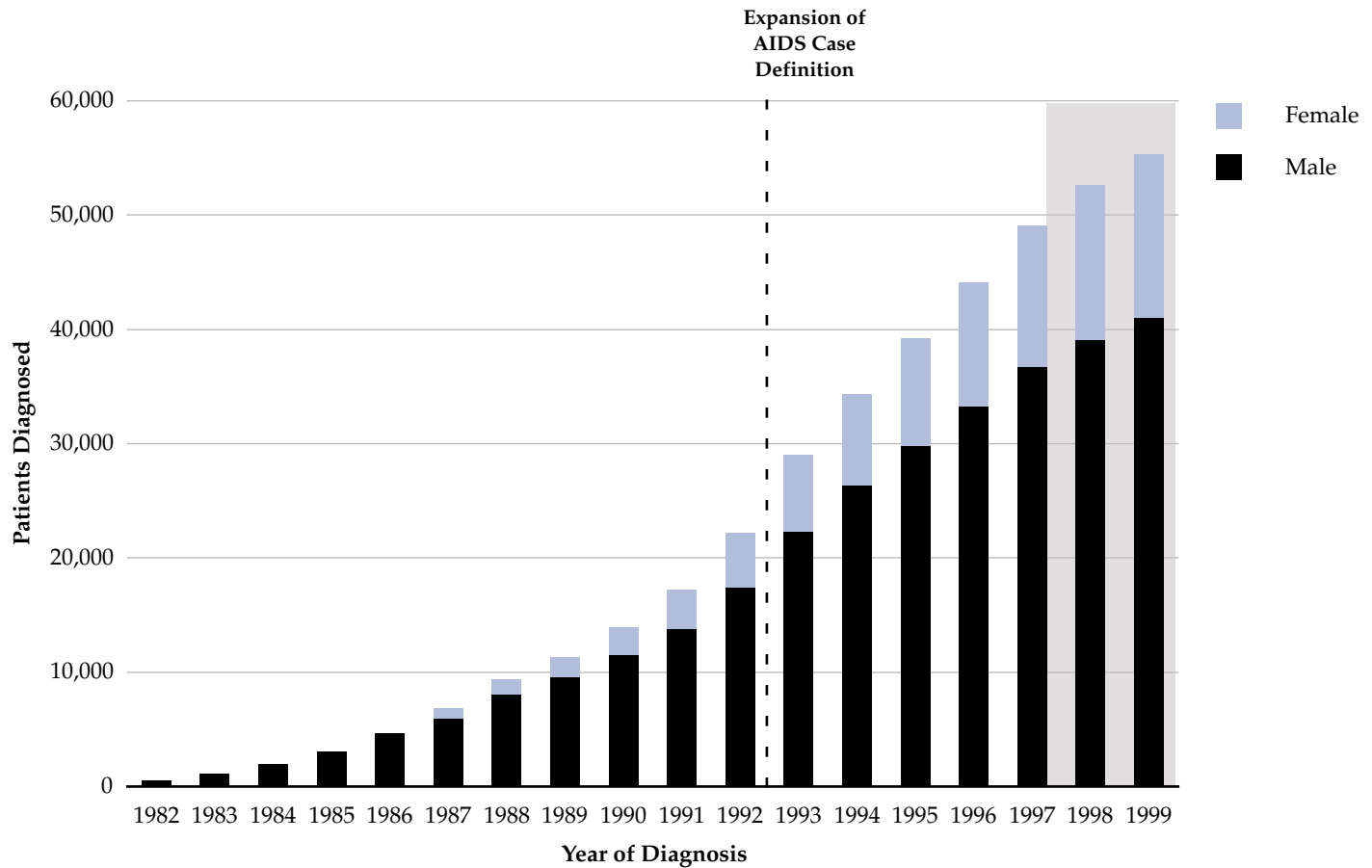
Diagnoses Associated with AIDS

Pneumocystis carinii pneumonia (PCP) continued to be the single most frequently reported AIDS-defining opportunistic infection among both pediatric and adult cases and for all major HIV exposure categories. However, the proportion of AIDS cases reporting opportunistic infection has declined considerably with the addition of severe immunodeficiency as an AIDS-defining condition, and more recently with the advent of combination antiretroviral therapies including protease inhibitors. Severe immunodeficiency, added to the AIDS case definition in 1993, quickly became the leading AIDS-defining condition. Nearly 52,000 cases have been diagnosed under this criterion through 1999 and the condition accounted for nearly 75 percent of adult AIDS diagnoses in 1999. Since the AIDS case definition expansion in January 1993, pulmonary tuberculosis has been reported as an initial AIDS-defining illness in 10,480 cases, recurrent pneumonia in 1,978 and invasive cervical cancer in 191.

Figure 14-1

AIDS Prevalence: Number of Adults Alive with AIDS at the End of Each Year, by Gender

New York State, Cases Confirmed through March 2000



On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 14-2

Adults Living With AIDS by Race/Ethnicity, Age at Diagnosis, Gender, Exposure Category and Region

New York State, Cases Confirmed through March 2000

	New York State									New York City				
	Males					Females				Males				
	Men Who Have Sex With Men	Injecting Drug Users	Men Who Have Sex With Men and Inject Drugs	Blood Products	Heterosexual Contact	Injecting Drug Users	Blood Products	Heterosexual Contact		Men Who Have Sex With Men	Injecting Drug Users	Men Who Have Sex With Men and Inject Drugs	Blood Products	Heterosexual Contact
Race/Age at Diagnosis*														
White														
13-19	3	0	0	17	1	3	0	3		2	0	0	6	0
20-24	106	23	6	11	2	29	0	47		67	14	4	3	2
25-29	704	144	49	19	12	135	6	116		499	89	25	2	7
30-39	3,089	1,099	176	20	90	517	10	304		2,347	683	84	9	48
40-49	2,024	906	113	16	62	288	10	164		1,597	574	57	6	29
50-59	606	162	20	12	29	36	4	42		466	117	17	5	16
>59	174	18	1	6	10	4	6	14		135	16	1	3	5
Black														
13-19	21	6	1	3	2	13	6	29		19	4	1	3	2
20-24	152	49	5	3	24	67	3	140		125	39	3	2	18
25-29	556	262	44	7	78	257	9	386		433	192	28	7	65
30-39	1,649	2,346	230	18	427	1,400	29	1,097		1,333	1,692	132	12	338
40-49	779	3,332	143	18	268	1,130	35	516		648	2,516	93	13	215
50-59	263	789	41	12	110	189	6	165		224	626	26	11	87
>59	60	136	2	10	48	23	4	46		51	115	2	9	38
Hispanic														
13-19	16	6	0	4	1	7	3	18		13	5	0	3	1
20-24	141	94	10	3	18	63	0	90		128	78	6	3	12
25-29	544	497	43	3	95	240	1	267		497	365	38	2	80
30-39	1,464	2,933	162	10	271	1,027	15	717		1,356	2,316	118	8	227
40-49	758	2,163	68	11	189	510	4	429		692	1,807	58	11	169
50-59	238	470	14	4	72	77	5	158		223	409	10	3	66
>59	57	67	0	6	21	11	3	34		52	61	0	6	19
Asian/Pacific Islander														
13-19	0	0	0	0	0	0	0	0		0	0	0	0	0
20-24	3	0	0	1	1	0	0	4		2	0	0	1	1
25-29	15	4	0	0	3	0	0	6		13	4	0	0	3
30-39	60	6	3	2	15	2	0	9		58	4	2	1	14
40-49	59	10	0	1	1	2	2	5		57	10	0	0	1
50-59	15	0	0	0	2	0	0	2		14	0	0	0	2
>59	1	1	0	0	1	0	0	0		1	1	0	0	1
Native American/Alaskan Native														
13-19	0	0	0	0	0	0	0	0		0	0	0	0	0
20-24	2	0	0	0	0	0	0	0		2	0	0	0	0
25-29	0	1	0	0	0	0	0	0		0	1	0	0	0
30-39	4	2	2	0	2	1	0	0		0	0	1	0	2
40-49	2	4	0	0	0	1	0	0		2	1	0	0	0
50-59	0	1	0	0	1	0	1	0		0	1	0	0	1
>59	0	0	0	0	0	0	0	0		0	0	0	0	0
Total	13,565	15,531	1,133	217	1,856	6,032	162	4,808		11,056	11,740	706	129	1,469

Figure 14-2

Adults Living With AIDS by Race/Ethnicity, Age at Diagnosis, Gender, Exposure Category and Region

New York State, Cases Confirmed through March 2000

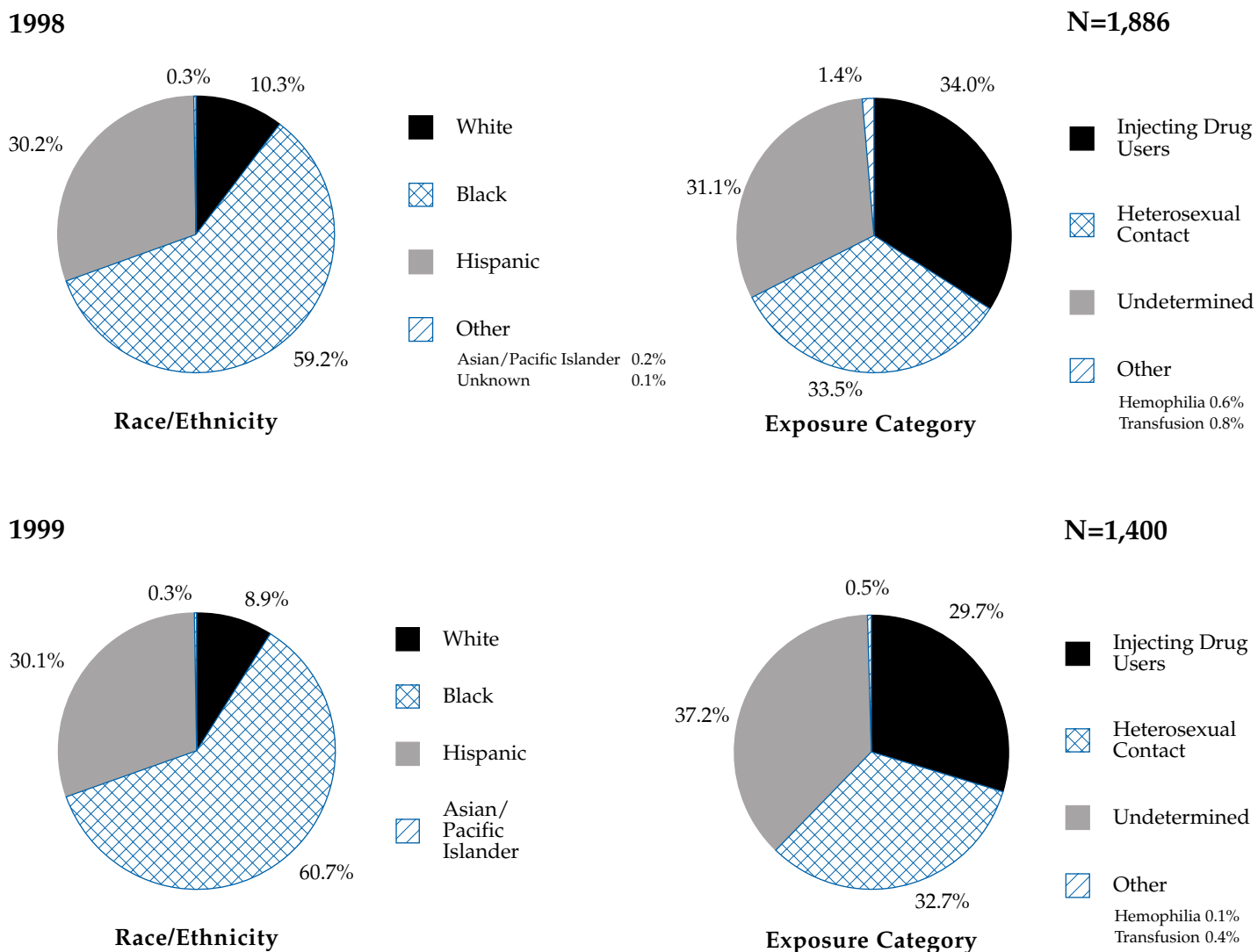
New York City				Rest of State							
Females				Males					Females		
	Injecting Drug Users	Blood Products	Heterosexual Contact	Men Who Have Sex With Men	Injecting Drug Users	Men Who Have Sex With Men and Inject Drugs	Blood Products	Heterosexual Contact	Injecting Drug Users	Blood Products	Heterosexual Contact
Race/Age at Diagnosis*											
White											
13-19	2	0	0	1	0	0	11	1	1	0	3
20-24	21	0	24	39	9	2	8	0	8	0	23
25-29	89	1	49	205	55	24	17	5	46	5	67
30-39	324	4	155	742	416	92	11	42	193	6	149
40-49	188	4	88	427	332	56	10	33	100	6	76
50-59	28	4	19	140	45	3	7	13	8	0	23
>59	2	5	7	39	2	0	3	5	2	1	7
Black											
13-19	11	3	23	2	2	0	0	0	2	3	6
20-24	55	3	102	27	10	2	1	6	12	0	38
25-29	217	3	292	123	70	16	0	13	40	6	94
30-39	1,064	22	855	316	654	98	6	89	336	7	242
40-49	925	29	408	131	816	50	5	53	205	6	108
50-59	163	6	134	39	163	15	1	23	26	0	31
>59	22	4	34	9	21	0	1	10	1	0	12
Hispanic											
13-19	7	3	14	3	1	0	1	0	0	0	4
20-24	56	0	75	13	16	4	0	6	7	0	15
25-29	204	1	229	47	132	5	1	15	36	0	38
30-39	909	15	635	108	617	44	2	44	118	0	82
40-49	456	4	399	66	356	10	0	20	54	0	30
50-59	72	5	149	15	61	4	1	6	5	0	9
>59	11	2	29	5	6	0	0	2	0	1	5
Asian/Pacific Islander											
13-19	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	1	1	0	0	0	0	0	0	3
25-29	0	0	5	2	0	0	0	0	0	0	1
30-39	1	0	9	2	2	1	1	1	1	0	0
40-49	2	2	5	2	0	0	1	0	0	0	0
50-59	0	0	2	1	0	0	0	0	0	0	0
>59	0	0	0	0	0	0	0	0	0	0	0
Native American/Alaskan Native											
13-19	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0	0
30-39	0	0	0	4	2	1	0	0	1	0	0
40-49	0	0	0	0	3	0	0	0	1	0	0
50-59	0	1	0	0	0	0	0	0	0	0	0
>59	0	0	0	0	0	0	0	0	0	0	0
Total	4,829	121	3,742	2,509	3,791	427	88	387	1,203	41	1,066

* Excludes 104 adults with unknown race/ethnicity.

Figure 14-3

Adult Female AIDS Cases Diagnosed in 1998 and 1999 by Race/Ethnicity and Exposure Category

New York State, Cases Confirmed through March 2000

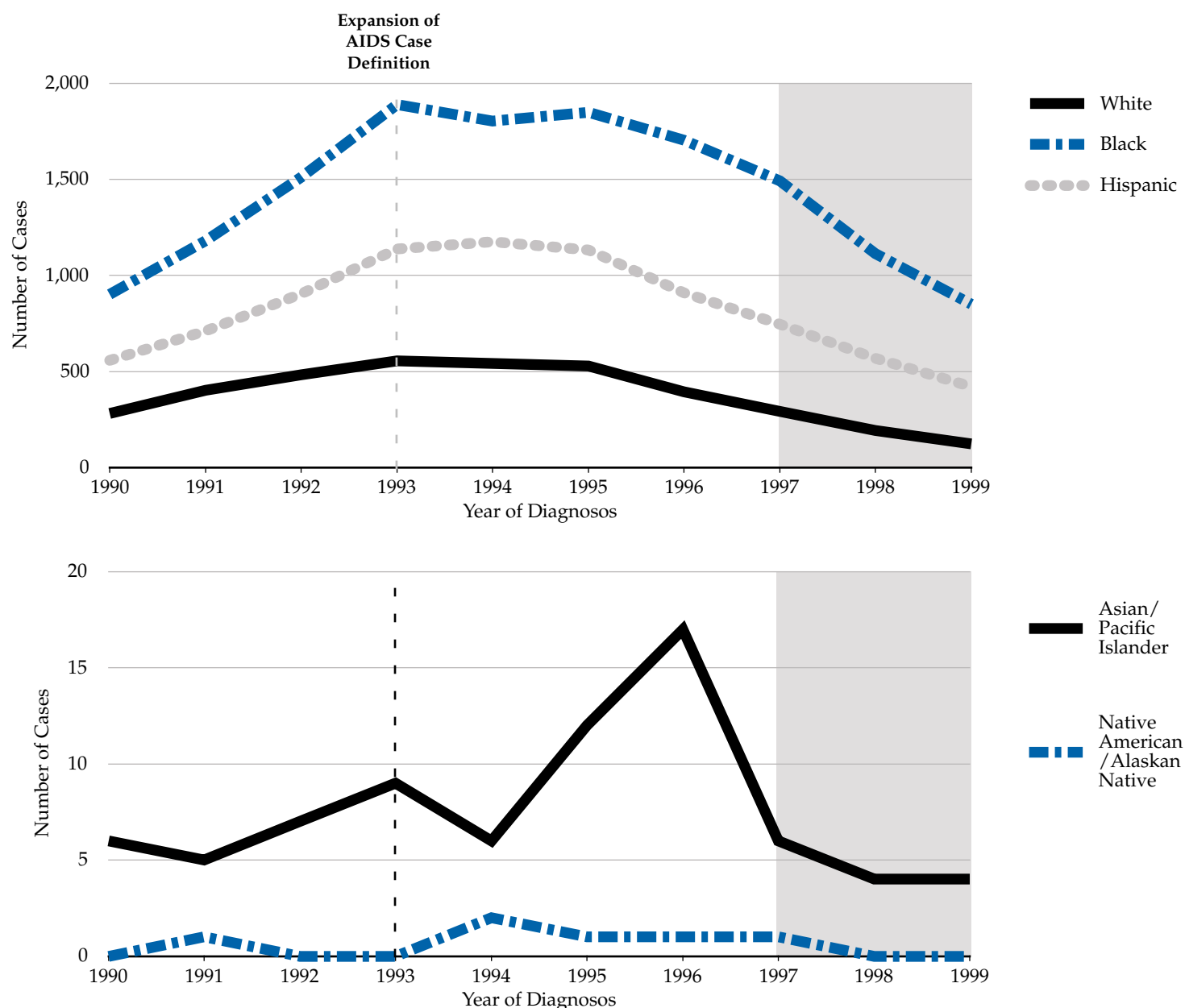


On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 14-4

Adult Female AIDS: Cumulative Cases by Year of Diagnosis*

New York State, Cases Confirmed through March 2000



On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

* Please note that scales of graphs are not consistent across racial/ethnic categories.

Figure 14-5

**Adult Female AIDS Cases Diagnosed 1996 - 1999 by Race/Ethnicity*,
Year of Diagnosis, Exposure Category, Age at Diagnosis and Residence**
New York State, Cases Confirmed through March 2000

	White				Black				Hispanic				Asian/ Pacific Islander			
	1996	1997	1998†	1999†	1996	1997	1998†	1999†	1996	1997	1998†	1999†	1996	1997	1998†	1999†
Exposure Category																
Injecting Drug Users	188	123	81	51	665	519	348	238	371	273	212	126	2	0	0	0
Heterosexual Contact	120	108	61	40	542	440	344	265	354	296	224	148	8	4	2	4
Coagulation Disorder	1	3	1	0	11	9	7	2	6	4	3	0	0	0	0	0
Transfusion/ Tissue Recipient	8	1	2	2	16	14	9	3	1	3	4	1	1	0	0	0
Undetermined	79	58	50	31	469	509	407	343	179	170	127	146	6	2	2	0
Age at Diagnosis																
13-19	2	2	1	0	19	20	15	16	7	9	4	7	0	0	0	0
20-24	14	10	7	1	44	65	35	36	36	21	18	12	3	0	1	0
25-29	41	33	18	9	177	126	119	72	106	80	42	38	1	2	0	2
30-39	178	132	93	51	736	614	458	334	436	333	237	169	5	2	1	1
40-49	123	86	57	39	550	501	364	281	255	215	181	130	6	1	1	0
50-59	29	19	15	17	129	124	99	85	58	70	70	49	1	0	0	1
>59	9	11	4	7	48	41	25	27	13	18	18	16	1	1	1	0
Residence																
Bronx	36	22	20	20	339	326	238	188	341	315	224	174	0	0	0	0
Brooklyn	48	45	24	18	546	442	386	279	208	146	123	93	5	0	0	1
Manhattan	58	57	25	16	314	284	170	118	181	142	86	66	6	5	1	1
Queens	62	34	33	19	209	177	97	92	89	73	65	43	3	1	2	2
Staten Island	19	12	7	4	18	17	17	16	12	7	6	5	0	0	0	0
Borough Unknown	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0	0
Rest of State	173	123	86	47	274	245	207	158	80	60	66	40	3	0	1	0
Total	396	293	195	124	1,703	1,491	1,115	851	911	746	570	421	17	6	4	4

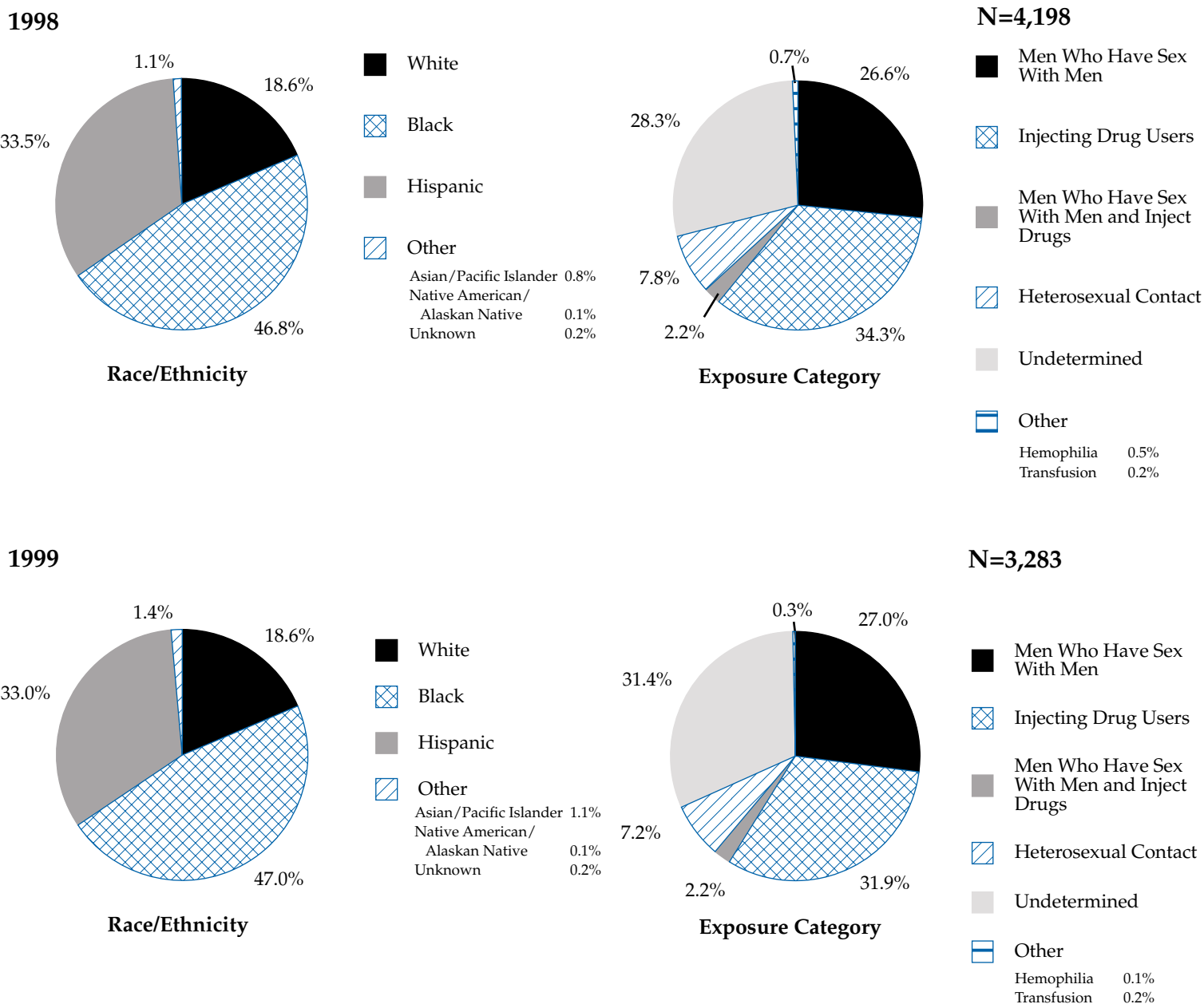
* Two Native American/Alaskan Native women were diagnosed with AIDS in this period.

† Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 14-6

Adult Male AIDS Cases Diagnosed in 1998 and 1999 by Race/Ethnicity and Exposure Category

New York State, Cases Confirmed through March 2000

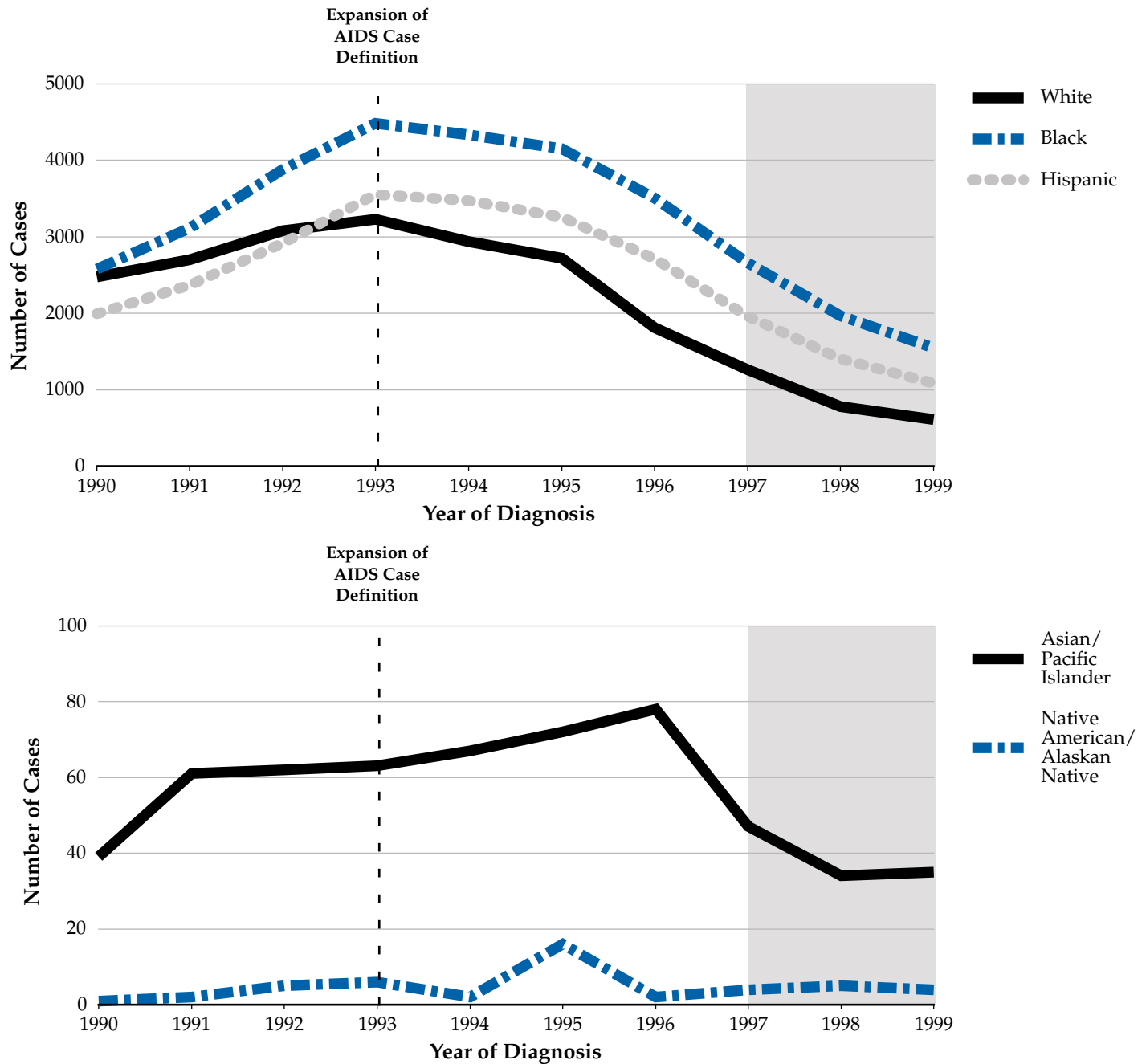


On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 14-7

Adult Male AIDS: Cumulative Cases by Year of Diagnosis*

New York State, Cases Confirmed through March 2000



On January 1, 1993, the AIDS Surveillance Case Definition for adults with HIV infection was expanded to include pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer and severe immunodeficiency (see second page of AIDS Morbidity and Mortality narrative). Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

* Please note that scales of graphs are not consistent across racial/ethnic categories.

Figure 14-8

Adult Male AIDS Cases Diagnosed in 1996 - 1999 by Race/Ethnicity, Exposure Category, Year of Diagnosis, Age at Diagnosis and Residence New York State, Cases Confirmed through March 2000

	White				Black				Hispanic				Asian/Pacific Islander				Native American/ Alaskan Native	
	1996	1997	1998*	1999*	1996	1997	1998*	1999*	1996	1997	1998*	1999*	1996	1997	1998*	1999*	1996-97	1998-99*
Exposure Category																		
Men Who Have Sex With Men	1,003	702	403	345	699	475	385	295	544	405	317	229	23	11	8	14	1	2
Injecting Drug Users	400	279	181	117	1,431	1,017	713	507	1,225	826	542	421	6	6	3	0	2	1
Men Who Have Sex With Men and Inject Drugs	58	32	28	18	83	69	43	28	40	38	20	26	1	0	1	0	1	0
Heterosexual Contact	55	36	39	24	241	214	157	132	156	139	126	78	5	5	3	2	1	1
Hemophilia/Coagulation Disorder	10	5	5	2	11	8	10	1	5	5	4	1	0	0	1	0	0	0
Transfusion/Tissue Recipient	6	2	4	0	6	6	5	4	6	4	1	2	0	0	0	0	0	0
Undetermined	276	204	120	106	1,037	867	653	577	739	545	395	326	43	25	18	19	1	5
Age at Diagnosis																		
13-19	1	3	0	0	20	12	5	3	11	13	6	6	0	0	0	1	0	0
20-24	13	6	9	10	44	41	36	20	52	31	27	16	2	0	0	1	0	0
25-29	104	71	38	36	230	171	119	95	247	153	96	72	3	6	4	4	0	1
30-39	727	470	314	237	1,267	915	652	508	1,152	822	582	457	38	15	16	11	4	3
40-49	667	489	267	239	1,363	1,008	740	599	937	682	457	340	20	17	9	13	2	4
50-59	225	186	115	73	460	379	305	236	249	208	186	139	7	8	4	3	0	1
>59	71	35	37	17	124	130	109	83	67	53	51	53	8	1	1	2	0	0
Residence																		
Bronx	79	59	42	22	527	482	351	270	706	597	444	318	4	9	1	3	0	1
Brooklyn	183	143	85	64	977	727	581	453	457	331	232	193	12	8	10	5	0	1
Manhattan	694	485	261	252	807	606	365	315	708	444	280	226	25	10	11	12	1	0
Queens	204	160	93	61	375	283	242	176	320	254	239	169	29	18	12	13	1	2
Staten Island	63	37	23	14	55	40	24	13	35	16	19	13	1	1	0	0	0	0
Borough Unknown	7	6	2	0	5	2	2	3	3	5	2	1	0	0	0	1	0	0
Rest of State	578	370	274	199	762	516	401	314	486	315	189	163	7	1	0	1	4	5
Total	1,808	1,260	780	612	3,508	2,656	1,966	1,544	2,715	1,962	1,405	1,083	78	47	34	35	6	9

* Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

Figure 14-9

AIDS Cases Diagnosed in 1996 - 1999 Among People Aged 50 and Older by Exposure Category, Year of Diagnosis, Gender, Race/Ethnicity, Age at Diagnosis and Residence

New York State, Cases Confirmed through March 2000

	Men Who Have Sex With Men [†]				Injection Drug Users [†]				Heterosexual Contact			
	1996	1997	1998*	1999*	1996	1997	1998*	1999*	1996	1997	1998*	1999*
Gender												
Male	305	249	171	103	434	332	286	210	85	71	76	52
Female	0	0	0	0	78	80	62	54	104	108	85	75
Race/Ethnicity												
White	171	128	75	42	59	38	42	17	25	19	15	15
Black	71	71	53	34	314	247	194	152	99	96	75	66
Hispanic	60	46	40	26	135	126	112	95	62	63	70	45
Asian/Pacific Islander	3	4	2	1	2	0	0	0	2	1	0	1
Native American/ Alaskan Native	0	0	0	0	0	0	0	0	0	0	1	0
Unknown	0	0	1	0	2	1	0	0	1	0	0	0
Age at Diagnosis												
50-54	147	136	87	47	316	248	203	166	94	73	71	50
55-59	88	65	45	33	125	99	90	57	42	54	53	36
60-64	42	20	21	18	39	38	28	23	27	29	21	24
65-69	20	23	11	2	23	18	23	11	13	12	5	11
70-74	8	4	4	1	7	6	3	6	9	10	6	3
75-79	0	1	2	0	1	1	1	1	2	1	2	3
80+	0	0	1	2	1	2	0	0	2	0	3	0
Residence												
Bronx	15	21	17	11	115	122	110	80	38	42	51	33
Brooklyn	43	35	32	15	111	91	69	64	50	40	35	33
Manhattan	149	119	73	43	146	115	71	61	39	48	34	17
Queens	32	32	16	12	49	27	29	17	28	21	18	17
Staten Island	7	3	1	1	12	9	3	2	1	1	3	2
Borough Unknown	0	1	0	0	0	0	0	0	0	0	0	0
Rest of State	59	38	32	21	79	48	66	40	33	27	20	25
Total	305	249	171	103	512	412	348	264	189	179	161	127

* Data for 1998 and 1999 are incomplete due to lag in case reporting and time required for case confirmation.

[†] Excludes 13 individuals with dual risk of male-to-male sex and injection drug use.